SPYWOLF

Security Audit Report

MBAPPEPE

Completed on
June 22 2023

OVERVIEW

This audit has been prepared for **MbapPepe** to review the main aspects of the project to help investors make make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✔ Contract's source code
- ✔ Owners' wallets
- ✔ Tokenomics
- ✔ Team transparency and goals
- ✔ Website's age, code, security and UX
- ✔ Whitepaper and roadmap
- ✔ Social media & online presence

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

– SPYWOLF Team –

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MbapPepe

PROJECT DESCRIPTION

According to their whitepaper:

Once upon a time, in a bizarre turn of events, A French footballer, the renowned football sensation, woke up one fine morning as a frog! Instead of feeling down, our amphibious hero embraced his newfound form with enthusiasm. Hopping into action, The player discovered a hidden talent for understanding cryptocurrencies.

Release Date: Presale starts in June, 2023
Category: Meme token

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CONTRACT INFO

Token Name
MbapPepe

Symbol
PePe7

Contract Address
0x5332c07EBb5deDFEBf29F7EE500F6b1230dC8a6E

Network
Ethereum

Language
Solidity

Deployment Date
Jun 21, 2023

Verified?
Yes

Total Supply
7,777,777

Status
Not launched

TAXES

Buy Tax
5%

Sell Tax
5%

*Taxes can be changed in future

Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

TOKEN TRANSFERS STATS

Transfer Count	4
Uniq Senders	2
Uniq Receivers	3
Total Amount	14901045.149999999 PePe7
Median Transfer Amount	4012158.15 PePe7
Average Transfer Amount	3725261.2874999996 PePe7
First transfer date	2023-06-21
Last transfer date	2023-06-21
Days token transferred	1

SMART CONTRACT STATS

Calls Count	16
External calls	6
Internal calls	10
Transactions count	9
Uniq Callers	3
Days contract called	1
Last transaction time	2023-06-21 10:20:23 UTC
Created	2023-06-21 08:33:47 UTC
Create TX	0xcc06e55ee9a5eab0479b276cf86d078667 33a265b00c64dc4903fc895581de48
Creator	0x3e23D660485465b598B408D2cC9d1938B 99bfa55

VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed

04

THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

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FOUND THREATS

⚠️ Low Risk

Owner can set limits on sells max to 50% of current user holdings. When this restrictions apply, one cannot sell more than 50% of their holdings at once.

```
function SetSell(uint LimitSell2) public onlyTeam{
    require(LimitSell2<=2,"Dump measure can't be under 50% of the wallet");
    LimitSell=LimitSell2;

    emit OnSetSell(LimitSell2);
}

uint public LimitSell = 1;
function _taxedTransfer(address sender, address recipient, uint amount) private{
.................
require(senderBalance/LimitSell >= amount, "Transfer exceeds authorise sell");
.................
}
```

06-A

ℹ️ Informational

Owner can exclude address from fees.
When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```solidity
function ExcludeAccountFromFees(address account, bool exclude) public onlyTeam{
    require(account!=address(this),"can't Include the contract");
    excludedFromFees[account]=exclude;
    emit ExcludeAccount(account,exclude);
}
```

Owner can exclude address from max transaction and max wallet limits.

```solidity
function ExcludedFromLimit(address account, bool exclude) public onlyTeam{
    require(account!=address(this),"can't Include the contract");
    excludedFromLimit[account]=exclude;
    emit ExcludeAccountLimit(account,exclude);
}
```

ℹ️ Informational

There is dynamic launch tax implemented that decreases over time. Tax starts from 99% for buy/sell and decreases gradually to 5%. Initial dynamic buy taxes apply for the first 60 seconds after token launch. Initial dynamic sell taxes apply for the first 180 seconds after token launch.

```solidity
function _getStartTax(uint duration, uint maxTax) private view returns (uint){
    uint timeSinceLaunch=block.timestamp-LaunchTimestamp;
    return maxTax-((maxTax-50)*timeSinceLaunch/duration);
}

function _LimitlessFonctionTransfer (address sender, address recipient, uint amount) private{
.....................
uint tax;
if(isSell){
    uint SellTaxDuration=180 seconds;
    if(block.timestamp<LaunchTimestamp+SellTaxDuration){
        tax=_getStartTax(SellTaxDuration,999);
        }else tax=sellTax;
    }
else if(isBuy){
    uint BuyTaxDuration=60 seconds;
    if(block.timestamp<LaunchTimestamp+BuyTaxDuration){
        tax=_getStartTax(BuyTaxDuration,999);
    }else tax=buyTax;
} else tax=transferTax;
.....................
}


function _taxedTransfer(address sender, address recipient, uint amount) private{
.............................
uint tax;
if(isSell){
    uint SellTaxDuration=180 seconds;
    if(block.timestamp<LaunchTimestamp+SellTaxDuration){
        tax=_getStartTax(SellTaxDuration,999);
        }else tax=sellTax;
    }
else if(isBuy){
    uint BuyTaxDuration=60 seconds;
    if(block.timestamp<LaunchTimestamp+BuyTaxDuration){
        tax=_getStartTax(BuyTaxDuration,999);
    }else tax=buyTax;
} else tax=transferTax;
.............................
}
```

06-C

ⓘ Informational

Owner can set buy/sell/transfer fees up to 5%.
Combined buy+sell = 10%.
When fees are above 0, there will be certain amount of tokens that
will be deducted from every transaction that users make.
Deducted amount will be as much as the fees % from total amount
that user had bought, sold and/or transferred.

```
uint constant TAX_DENOMINATOR=1000;
uint constant MAXTAXDENOMINATOR=10;

function SetTaxes(uint buy, uint sell, uint transfer_,
uint burn, uint marketing,uint liquidity) public onlyTeam{
    uint maxTax=(TAX_DENOMINATOR/MAXTAXDENOMINATOR)/2;
    require(buy<=maxTax&&sell<=maxTax&&transfer_<=maxTax,"Tax exceeds maxTax");
    require(burn+marketing+liquidity==TAX_DENOMINATOR,"Taxes don't add up to denominator");

    buyTax=buy;
    sellTax=sell;
    transferTax=transfer_;
    marketingTax=marketing;
    liquidityTax=liquidity;
    burnTax=burn;
    emit OnSetTaxes(buy, sell, transfer_, burn, marketing,liquidity);
}
```

06-D

ℹ️ Informational

Owner can lock liquidity tokens that resides in the contract.

```solidity
function LockLiquidityForSeconds(uint secondsUntilUnlock) public onlyTeam{
    _prolongLiquidityLock(secondsUntilUnlock+block.timestamp);
}
event OnProlongLPLock(uint UnlockTimestamp);
function _prolongLiquidityLock(uint newUnlockTime) private{
    // require new unlock time to be longer than old one
    require(newUnlockTime>_liquidityUnlockTime);
    _liquidityUnlockTime=newUnlockTime;
    emit OnProlongLPLock(_liquidityUnlockTime);
}
```

Owner can withdraw liquidity tokens that resides in the contract.

```solidity
function LiquidityRelease() public onlyTeam {
    //Only callable if liquidity Unlock time is over
    require(block.timestamp >= _liquidityUnlockTime, "Not yet unlocked");

    IERC20 liquidityToken = IERC20(_uniswapPairAddress);
    uint amount = liquidityToken.balanceOf(address(this));
    if(LPReleaseLimitedTo20Percent)
    {
        _liquidityUnlockTime=block.timestamp+DefaultLiquidityLockTime;
        //regular liquidity release, only releases 50% at a time and locks liquidity for another week
        amount=amount*2/10;
    }
    liquidityToken.transfer(msg.sender, amount);
    emit OnReleaseLP();
}
```

06-E

RECOMMENDATIONS FOR
GOOD
PRACTICES

MbapPepe
GOOD PRACTICES FOUND

1   Consider fundamental tradeoffs

2   Be attentive to blockchain properties

3   Ensure careful rollouts

4   Keep contracts simple

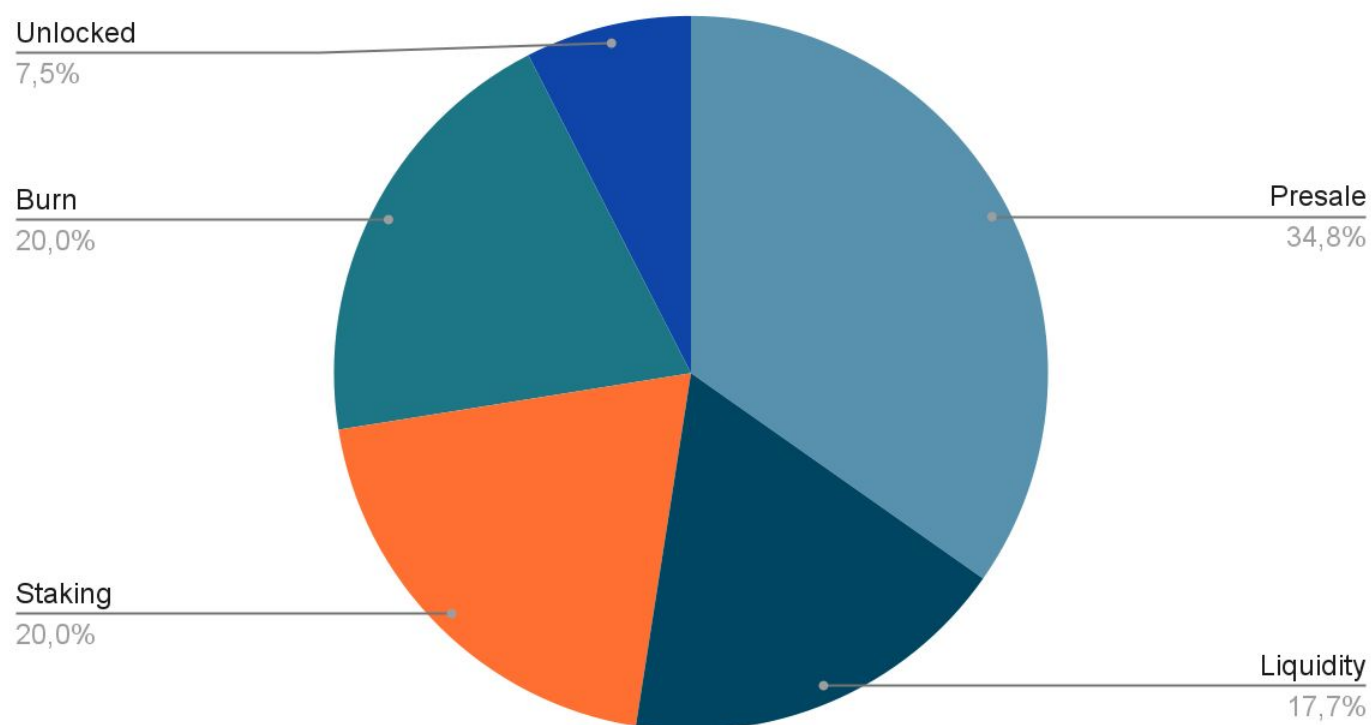**5**   Stay up to date and track development

✔   The owner cannot mint new tokens after deployment

✔   The owner cannot stop or pause the contract

07

The following tokenomics are based on Pinksale's presale page:

- 34.75% - Presale
- 17.72% - Liquidity
- 20% - Staking
- 20% - Burn
- 7.53% - Unlocked

Tokens distribution

Unlocked
7,5%

Burn
20,0%

Staking
20,0%

Presale
34,8%

Liquidity
17,7%

THE TEAM

The team has privately doxxed to PINKSALE

https://pinksale.notion.site/MbapPepe-KYC-Verification-9b942c4405794f0a9219f02c239efa23

MbapPepe - KYC Verification

This KYC page verifies that One Member of the project has successfully completed the verification process at PinkSale. Project info:

- Project Name: **MbapPepe**
- Project Website: https://mbappepe.com/
- KYC Issued: June 22, 2023

WEBSITE

Website URL
https://mbappepe.com

Domain Registry
https://www.godaddy.com

Domain Expiration
2024-05-29

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

Design
Single page design with appropriate color scheme and graphics.

Content
The information helps new investors understand what the product does right away. No grammar mistakes found.
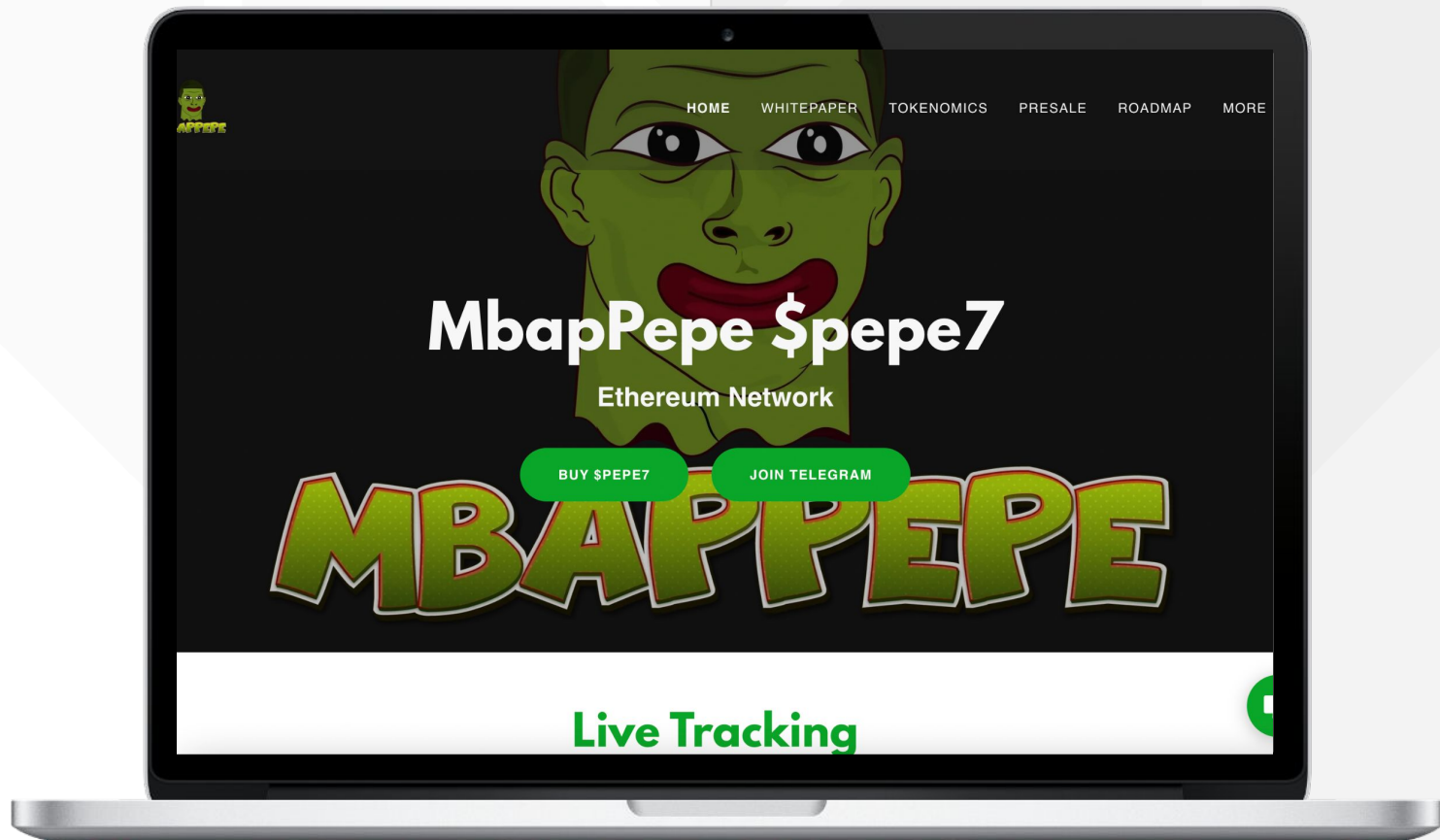
Whitepaper
Yes

Roadmap
Yes, goals set without time frames.
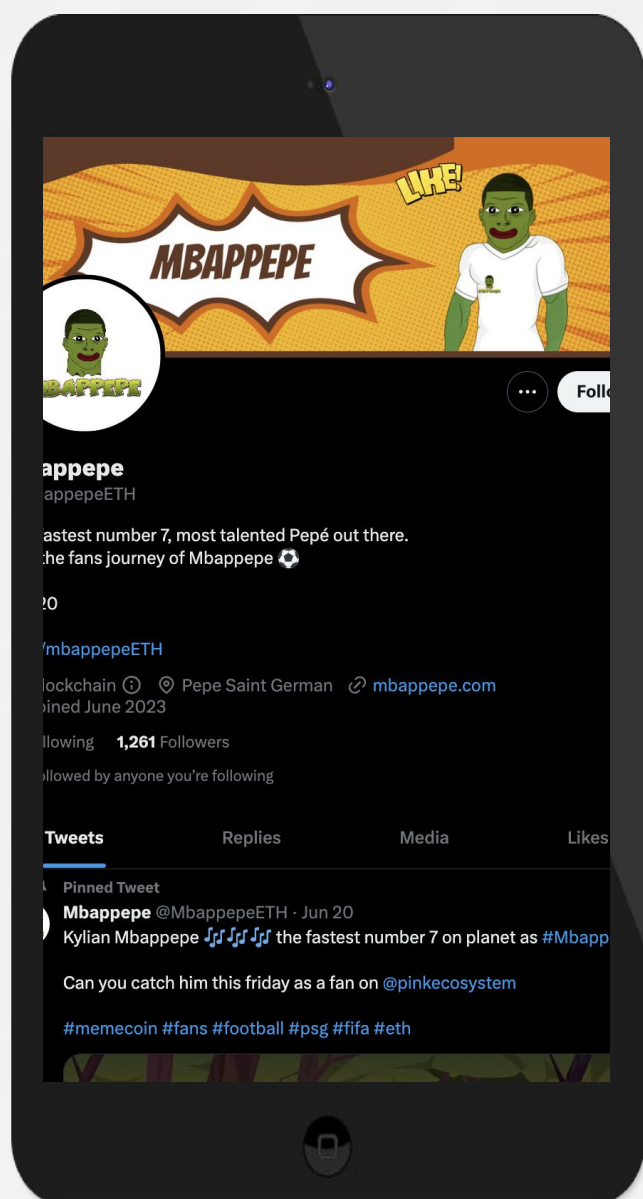
Mobile-friendly?
Yes

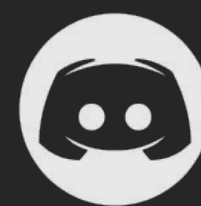

mbappepe.com

SOCIAL MEDIA

& ONLINE PRESENCE

Twitter

@MbappepeETH

- 1 244 followers
- Active
- Posts frequently

Discord

- Not available

Telegram

@mbappepeETH

- 1 252 members
- Active members
- Active mods

Medium

- Not available

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SPYWOLF
CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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To hire us, reach out to contact@spywolf.co or t.me/joe_SpyWolf

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.